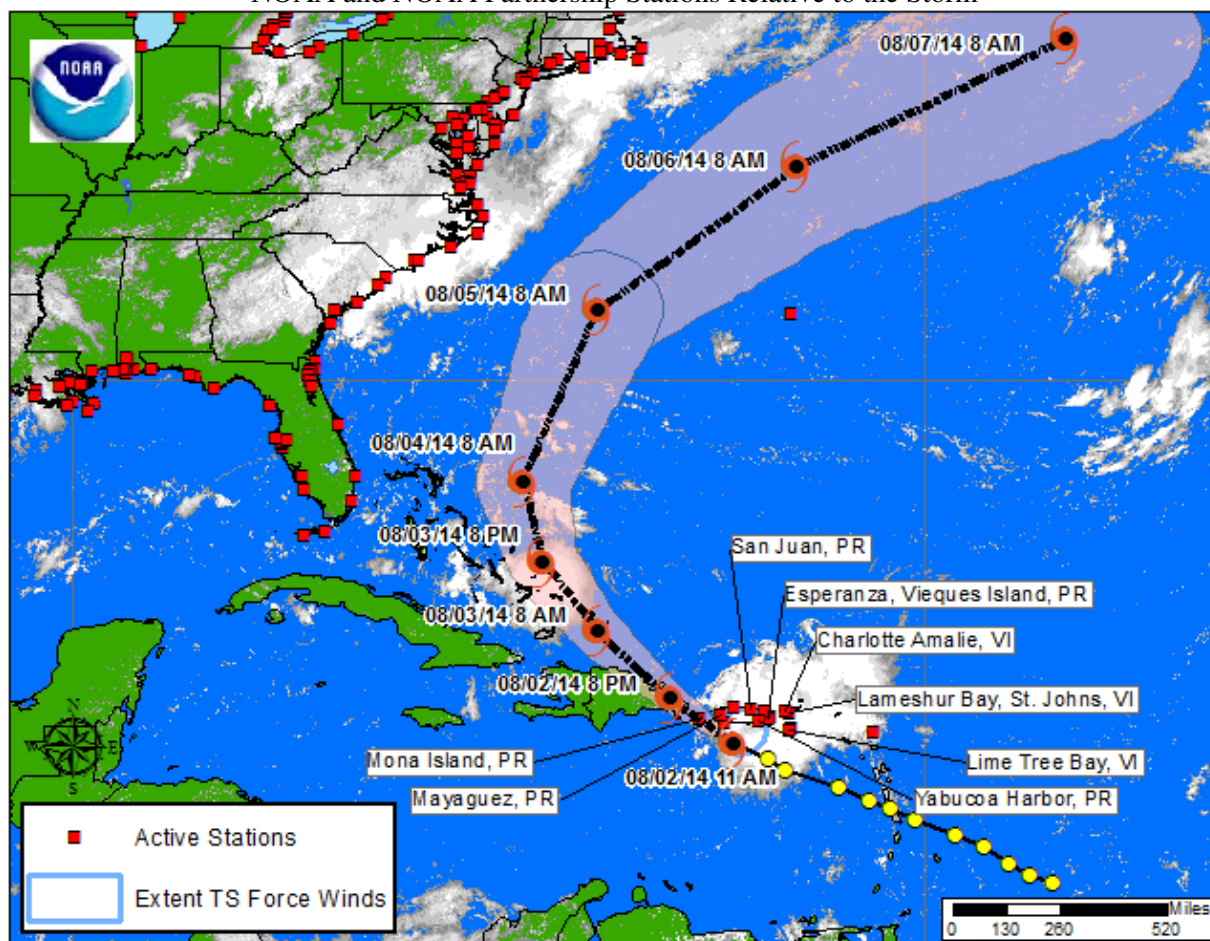


Tropical Storm BERTHA QuickLook
Posted: 12:00 AST 08/02/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/02/2014 12:00 AST, water levels across the U.S. Virgin Islands and Puerto Rico are slightly elevated. Levels across the Virgin Islands and the east coast of Puerto Rico range between 0.2 and 0.65 feet above tidal predictions. Wind speeds are increased across the U.S. Virgin Islands and the eastern coast of Puerto Rico with speeds measuring 10-20 kts with slightly higher gusts. Wind speeds recorded in Lime Tree Bay are higher: up to 28 knots with gusts up to 38 knots. Barometric pressure has leveled across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM BERTHA ADVISORY NUMBER 7
1100 AM AST SAT AUG 02 2014

...CENTER OF BERTHA PASSING JUST SOUTH OF PUERTO RICO...
...TROPICAL STORM WARNING ISSUED FOR PORTIONS OF THE DOMINICAN
REPUBLIC...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE GOVERNMENT OF THE DOMINICAN REPUBLIC HAS ISSUED A TROPICAL STORM
WARNING FOR THE EASTERN DOMINICAN REPUBLIC FROM CABO FRANCES VIEJO TO ISLA
SAONA.

THE GOVERNMENT OF FRANCE HAS DISCONTINUED THE TROPICAL STORM WARNING FOR
MARTINIQUE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * PUERTO RICO
- * VIEQUES
- * CULEBRA
- * U.S. VIRGIN ISLANDS
- * BRITISH VIRGIN ISLANDS
- * THE EASTERN DOMINICAN REPUBLIC FROM CABO FRANCES VIEJO TO ISLA SAONA
- * THE SOUTHEASTERN BAHAMAS...INCLUDING THE ACKLINS...CROOKED ISLAND...LONG
CAY...THE INAGUAS...MAYAGUANA...AND THE RAGGED ISLANDS
- * THE TURKS AND CAICOS ISLANDS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * CENTRAL BAHAMAS...INCLUDING CAT ISLAND... THE EXUMAS...LONG ISLAND...RUM
CAY...AND SAN SALVADOR

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 12 TO 24
HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE
WITHIN THE WATCH AREA...IN THIS CASE WITHIN 24 TO 36
HOURS.

INTERESTS ELSEWHERE ACROSS THE NORTHEASTERN CARIBBEAN SEA AND HISPANIOLA

SHOULD MONITOR THE PROGRESS OF THIS SYSTEM.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 AM AST...THE CENTER OF TROPICAL STORM BERTHA WAS LOCATED NEAR LATITUDE 17.2 NORTH...LONGITUDE 66.7 WEST. BERTHA IS MOVING TOWARD THE WEST-NORTHWEST NEAR 22 MPH. A TURN TOWARD THE NORTHWEST IS EXPECTED BY TONIGHT...WITH THIS MOTION CONTINUING THROUGH SUNDAY NIGHT. ON THE FORECAST TRACK...THE CENTER OF BERTHA SHOULD PASS NEAR PUERTO RICO TODAY...NEAR OR OVER THE EASTERN PORTION OF THE DOMINICAN REPUBLIC TONIGHT...AND NEAR OR OVER THE SOUTHEASTERN BAHAMAS AND TURKS AND CAICOS ISLANDS ON SUNDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS EXPECTED THROUGH SUNDAY. SLOW STRENGTHENING IS POSSIBLE SUNDAY NIGHT AND MONDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES... MAINLY TO THE NORTHEAST OF THE CENTER. A CARIBBEAN INTEGRATED COASTAL OCEAN OBSERVING SYSTEM BUOY LOCATED SOUTH OF ST. THOMAS RECENTLY REPORTED SUSTAINED WINDS OF 44 MPH...AND A WIND GUST OF 72 MPH.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1008 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS SHOULD SPREAD OVER THE VIRGIN ISLANDS AND PUERTO RICO DURING THE NEXT SEVERAL HOURS...ARE EXPECTED OVER THE EASTERN DOMINICAN REPUBLIC LATER TODAY AND TONIGHT...AND ARE EXPECTED IN THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS BY EARLY SUNDAY. WIND GUSTS TO TROPICAL STORM FORCE COULD OCCUR IN SQUALLS OVER THE REMAINDER OF THE LEEWARD ISLANDS THIS AFTERNOON. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREA IN THE CENTRAL BAHAMAS BY MONDAY.

RAINFALL...BERTHA IS EXPECTED TO PRODUCE RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED AMOUNTS UP TO 5 INCHES ACROSS PORTIONS OF THE LEEWARD ISLANDS...THE U.S. AND BRITISH VIRGIN ISLANDS...EASTERN PORTIONS OF THE DOMINICAN REPUBLIC AS WELL AS THE TURKS AND CAICOS THROUGH SUNDAY NIGHT. RAINFALL TOTALS OF 3 TO 5 INCHES WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES ARE POSSIBLE ACROSS PUERTO RICO...WITH THE HEAVIEST TOTALS ACROSS THE SOUTHERN AND EASTERN PORTIONS OF THE ISLAND.

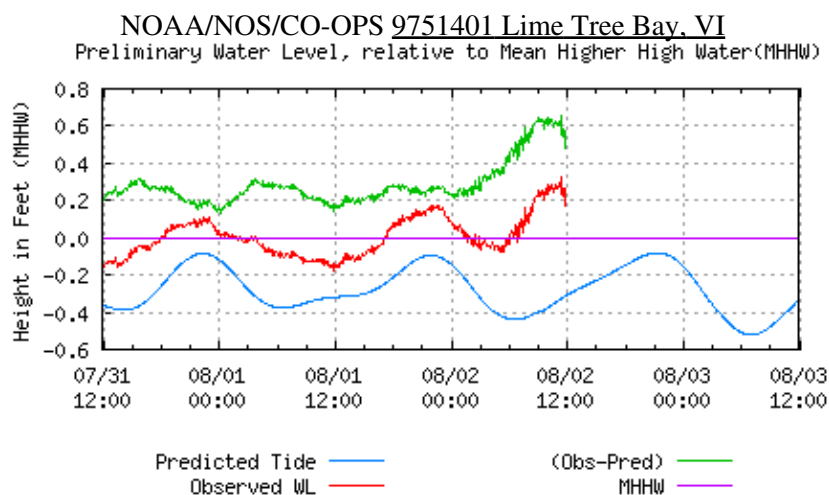
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FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Lameshur Bay, St John - Water Level](#), [Lameshur Bay, St John - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#), [Mayaguez - Water Level](#), [Mayaguez - Winds](#), [Mona Island - Water Level](#), [Mona Island - Barometric](#)

Tropical Storm BERTHA QuickLook, POSTED 12:00 AST 08/02/2014

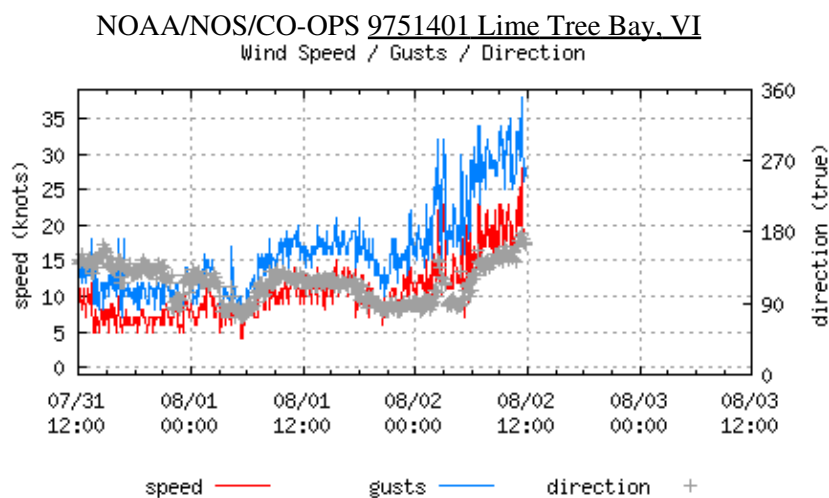


Last Observed Sample: 08/02/2014 11:48 (AST). Data relative to MHHW

Observed: 0.26 ft. Predicted: -0.31 ft. Residual: 0.57 ft.

Historical Maximum Water Level: Nov 17 1999, 1.88 ft.

Next High Tide: 08/02/2014 21:17 (AST), -0.08 ft.

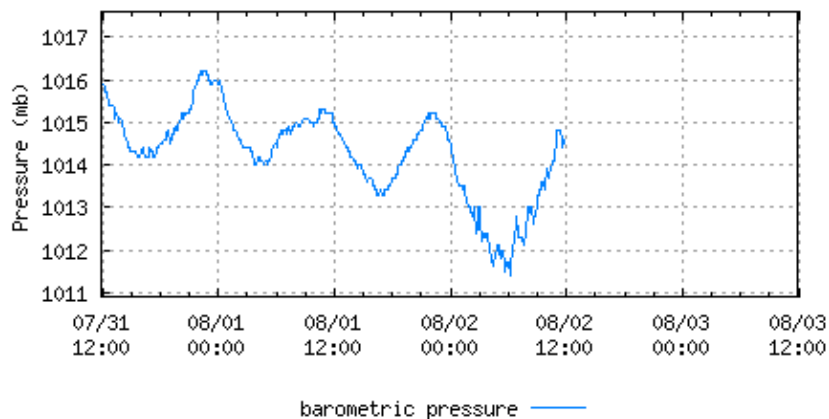


Last Observed Sample: 08/02/2014 11:48 (AST)

Wind Speed: 18 knots Gusts: 27 knots Direction: 164° T

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI

Barometric Pressure

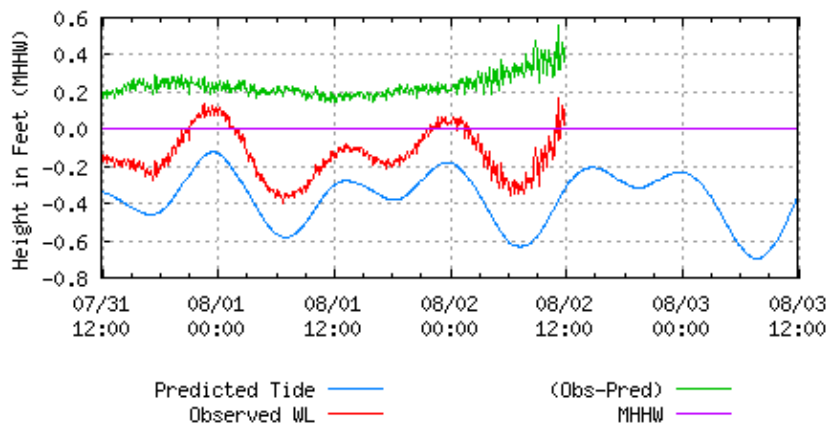


Last Observed Sample: 08/02/2014 11:48 (AST)

Barometric Pressure: 1014.6 mb

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



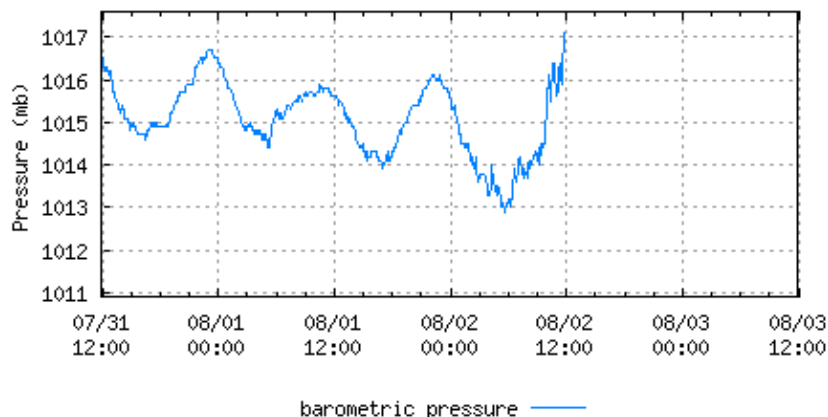
Last Observed Sample: 08/02/2014 11:54 (AST). Data relative to MHHW

Observed: -0.01 ft. Predicted: -0.32 ft. Residual: 0.31 ft.

Historical Maximum Water Level: Aug 30 2010, 0.89 ft.

Next High Tide: 08/02/2014 14:41 (AST), -0.20 ft.

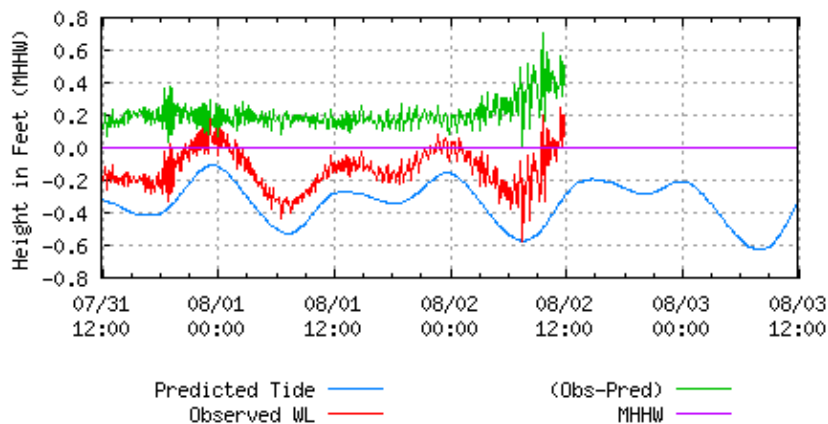
NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI
Barometric Pressure



Last Observed Sample: 08/02/2014 11:54 (AST)

Barometric Pressure: 1017.1 mb

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/02/2014 11:48 (AST). Data relative to MHHW

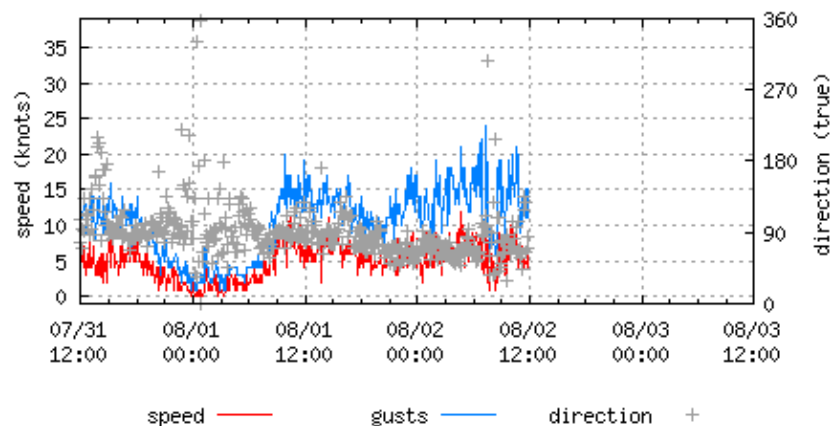
Observed: 0.20 ft. Predicted: -0.30 ft. Residual: 0.50 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft.

Next High Tide: 08/02/2014 14:43 (AST), -0.19 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

Wind Speed / Gusts / Direction

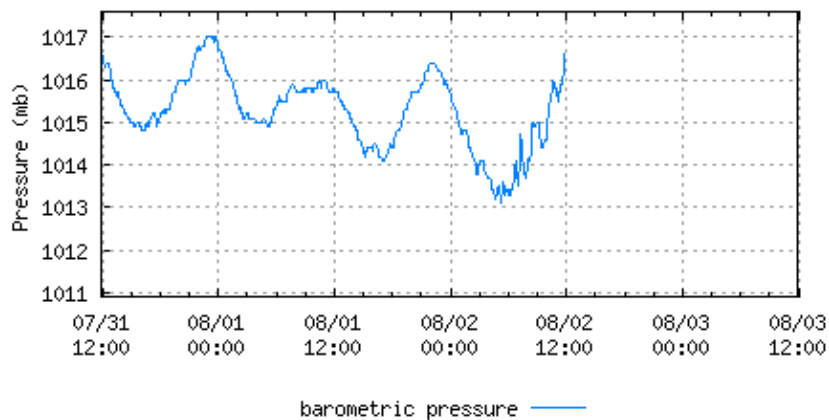


Last Observed Sample: 08/02/2014 11:48 (AST)

Wind Speed: 7 knots Gusts: 11 knots Direction: 69° T

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

Barometric Pressure

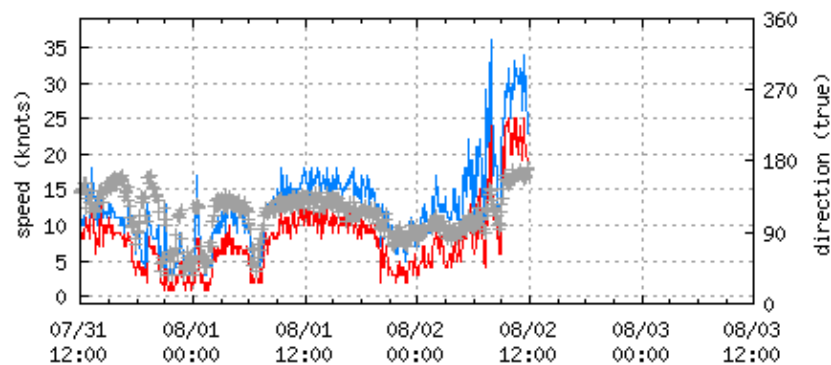


Last Observed Sample: 08/02/2014 11:48 (AST)

Barometric Pressure: 1016.6 mb

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

Wind Speed / Gusts / Direction



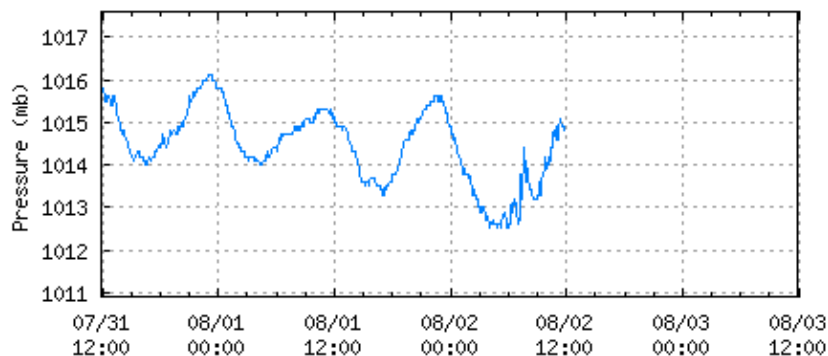
speed — gusts — direction +

Last Observed Sample: 08/02/2014 11:54 (AST)

Wind Speed: 20 knots Gusts: 27 knots Direction: 173° T

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR

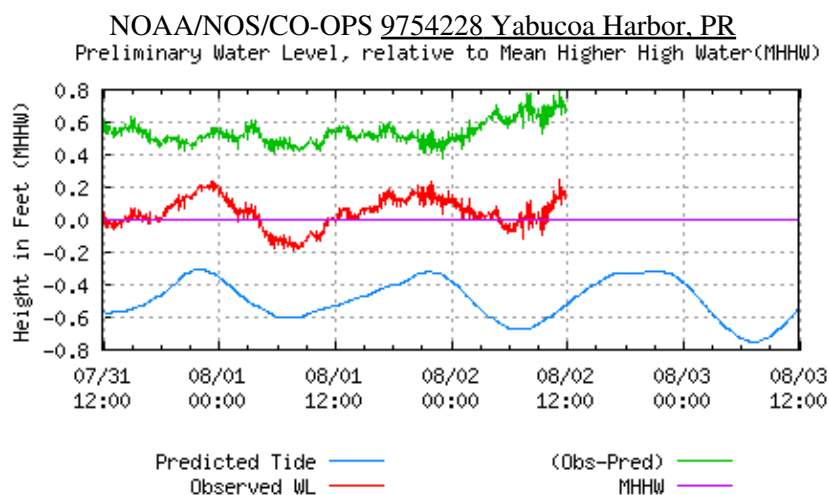
Barometric Pressure



barometric pressure —

Last Observed Sample: 08/02/2014 11:54 (AST)

Barometric Pressure: 1015.0 mb

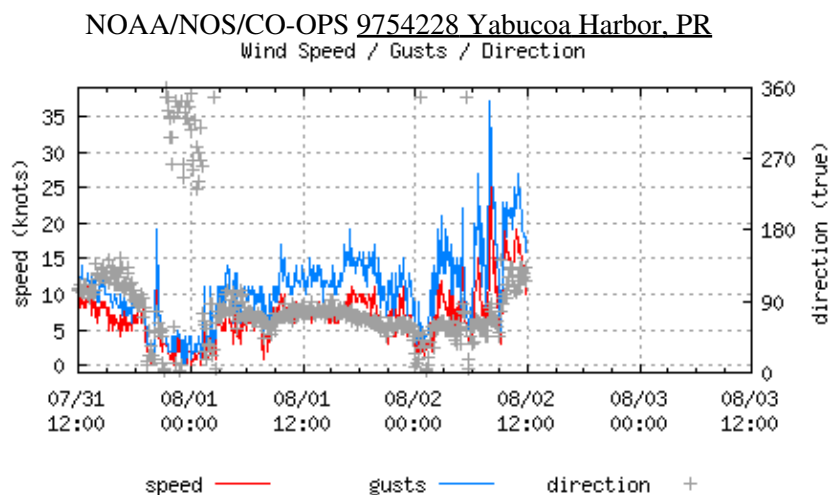


Last Observed Sample: 08/02/2014 11:48 (AST). Data relative to MHHW

Observed: 0.13 ft. Predicted: -0.53 ft. Residual: 0.66 ft.

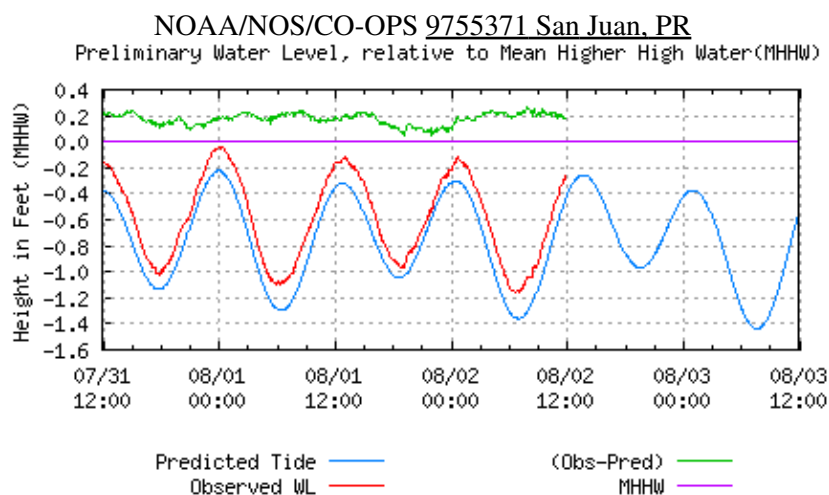
Historical Maximum Water Level: n/a

Next High Tide: 08/02/2014 21:08 (AST), -0.31 ft.



Last Observed Sample: 08/02/2014 11:48 (AST)

Wind Speed: 10 knots Gusts: 16 knots Direction: 117° T

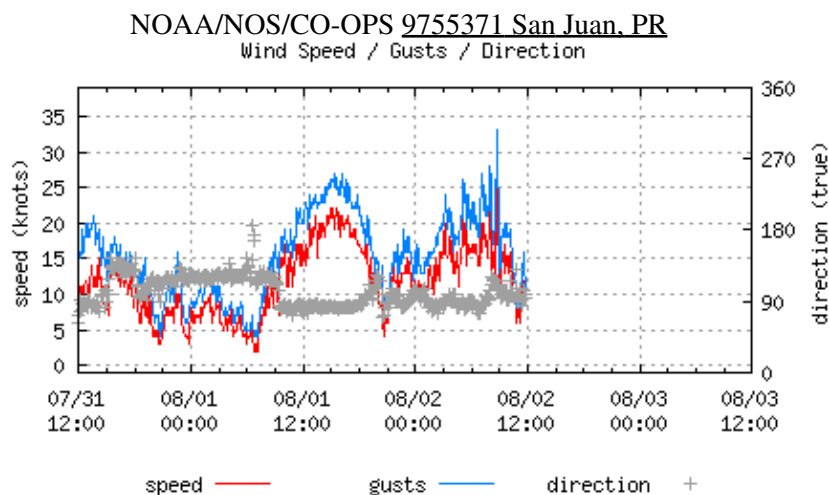


Last Observed Sample: 08/02/2014 11:48 (AST). Data relative to MHHW

Observed: -0.26 ft. Predicted: -0.44 ft. Residual: 0.18 ft.

Historical Maximum Water Level: Sep 18 1989, 2.77 ft.

Next High Tide: 08/02/2014 13:39 (AST), -0.25 ft.

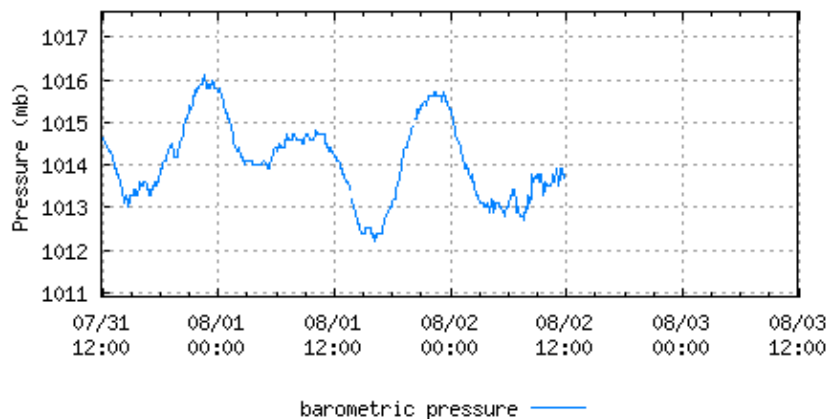


Last Observed Sample: 08/02/2014 11:48 (AST)

Wind Speed: 10 knots Gusts: 12 knots Direction: 98° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Barometric Pressure

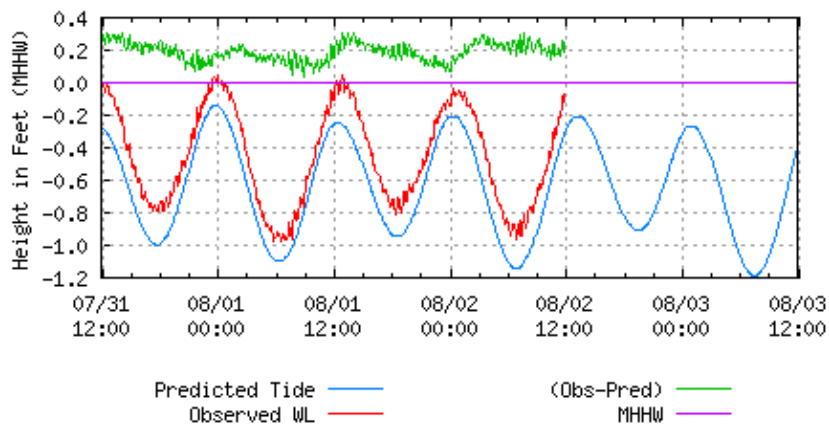


Last Observed Sample: 08/02/2014 11:48 (AST)

Barometric Pressure: 1013.8 mb

NOAA/NOS/CO-OPS 9759394 Mayaguez, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/02/2014 11:48 (AST). Data relative to MHHW

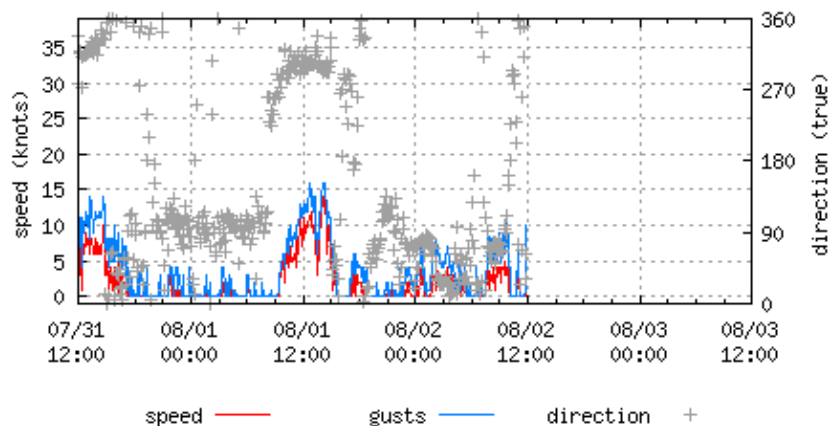
Observed: -0.12 ft. Predicted: -0.31 ft. Residual: 0.19 ft.

Historical Maximum Water Level: Jul 13 2010, 0.85 ft.

Next High Tide: 08/02/2014 13:11 (AST), -0.21 ft.

NOAA/NOS/CO-OPS 9759394 Mayaguez, PR

Wind Speed / Gusts / Direction

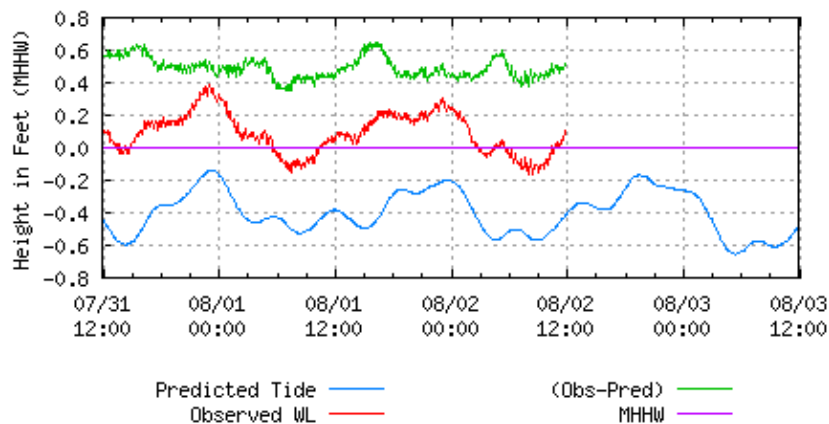


Last Observed Sample: 08/02/2014 11:48 (AST)

Wind Speed: 6 knots Gusts: 10 knots Direction: 62° T

NOAA/NOS/CO-OPS 9759938 Mona Island, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

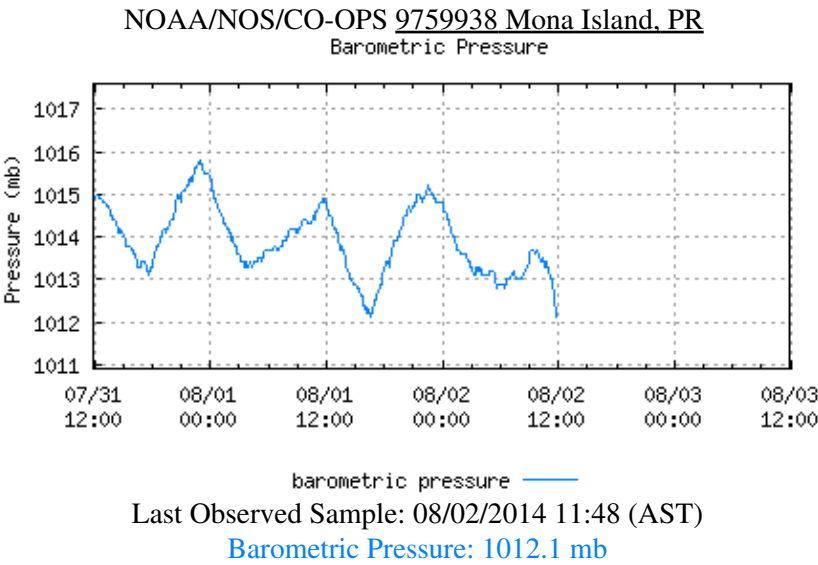


Last Observed Sample: 08/02/2014 11:48 (AST). Data relative to MHHW

Observed: 0.11 ft. Predicted: -0.41 ft. Residual: 0.52 ft.

Historical Maximum Water Level: Dec 23 2010, 1.26 ft.

Next High Tide: 08/02/2014 13:36 (AST), -0.34 ft.



Tropical Storm BERTHA QuickLook, POSTED 12:00 AST 08/02/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9751401	Lime Tree Bay, VI	08/02/2014 11:48 (AST)	0.26 ft	-0.31 ft	0.57 ft	0.33 ft
9751381	Lameshur Bay, St John, VI	08/02/2014 11:54 (AST)	-0.01 ft	-0.32 ft	0.31 ft	0.17 ft
9751639	Charlotte Amalie, VI	08/02/2014 11:48 (AST)	0.20 ft	-0.30 ft	0.50 ft	0.24 ft
9754228	Yabucoa Harbor, PR	08/02/2014 11:48 (AST)	0.13 ft	-0.53 ft	0.66 ft	0.24 ft
9755371	San Juan, PR	08/02/2014 11:48 (AST)	-0.26 ft	-0.44 ft	0.18 ft	-0.11 ft
9759394	Mayaguez, PR	08/02/2014 11:48 (AST)	-0.12 ft	-0.31 ft	0.19 ft	0.04 ft
9759938	Mona Island, PR	08/02/2014 11:48 (AST)	0.11 ft	-0.41 ft	0.52 ft	0.31 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce